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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

09/14/2009

Birch Stewart Kolasch & Birch LLP PO BOX 747 Falls Church, VA 22040-0747 EXAMINER
WILSON, ALLAN R
ART UNIT PAPER NUMBER

2815

DATE MAILED: 09/14/2009

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/648,111	08/25/2000	Kwang-Jo Hwang	3430-0131P	5562

TITLE OF INVENTION: METHOD OF PATTERNING A METAL LAYER IN A SEMICONDUCTOR DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	12/14/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further of indicated unless corrected maintenance fee notificat	correspondence including delow or directed other tions.	ng the Patent, ad nerwise in Block	lvance o	rders and notification a) specifying a new co	of m orresp	aintenance fees woondence address;	ill be and/or	mailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)						Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mushave its own certificate of mailing or transmission.				
	7590 09/14	/2009						of Mailing or Transn	niccion	
Birch Stewart I	Kolasch & Birch I	LLP			I here	eby certify that thi	is Fee(s) Transmittal is being	deposited with the United	
PO BOX 747					State	s Postal Service we essed to the Mail	ith suf. Stop	ficient postage for first ISSUE FEE address :	deposited with the United class mail in an envelope above, or being facsimile te indicated below.	
Falls Church, VA	A 22040-0747				transı	mitted to the USP.	ΓO (5 7:	1) 273-2885, on the da	te indicated below.	
									(Depositor's name)	
									(Signature)	
									(Date)	
APPLICATION NO. FILING DATE				FIRST NAMED INVENTOR			ATTORNEY DOCKET NO. CONFIRMATION NO.			
09/648,111	08/25/2000			Kwang-Jo Hwang	3	•		3430-0131P	5562	
FITLE OF INVENTION:		RNING A META	AL LAY	· ·	-	OR DEVICE			5002	
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nonprovisional	nonprovisional NO			\$0	\$0			\$1510	12/14/2009	
EXAMINER ART UI		ART UNI	Т	CLASS-SUBCLASS						
WILSON, ALLAN R 2815				438-714000						
1. Change of corresponde CFR 1.363).	ence address or indication	n of "Fee Addres	ss" (37	2. For printing on t	-			1		
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_	ondence address (or Cha 3/122) attached.			(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to						
☐ "Fee Address" indi PTO/SB/47; Rev 03-0	cation (or "Fee Address" 2 or more recent) attach	" Indication form ed. Use of a Cus	ı stomer	2 registered patent	attori	nevs or agents. If i	es of u _l no nam	o to e is 3		
Number is required.				listed, no name wil	l be p	orinted.		5		
	ND RESIDENCE DATA			4		<i>'</i>				
PLEASE NOTE: Unle recordation as set forth	ess an assignee is ident n in 37 CFR 3.11. Comp	ified below, no a	assignee m is NO	data will appear on th T a substitute for filing	ne pat	tent. If an assigne ssignment.	ee is id	entified below, the do	cument has been filed for	
(A) NAME OF ASSIC	•			(B) RESIDENCE: (C			OUNT	RY)		
Please check the appropri	ate assignee category or	categories (will	not be p	rinted on the patent):	<u> </u>	Individual 🖵 Co	rporati	on or other private gro	up entity 🚨 Government	
4a. The following fee(s) a	are submitted:		4	b. Payment of Fee(s): (Pleas	e first reapply an	ıv prev	iously paid issue fee s	hown above)	
☐ Issue Fee				☐ A check is enclosed.						
	o small entity discount p	,		Payment by credit card. Form PTO-2038 is attached.						
Advance Order - # of Copies				☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).						
5. Change in Entity Stat	tus (from status indicated	d above)		1 7					17	
	s SMALL ENTITY statu	,	.27.	b. Applicant is no	long	er claiming SMAI	L ENT	TTY status. See 37 CF	R 1.27(g)(2).	
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if requeecords of the United Sta	uired) will not be tes Patent and Tı	e accepte rademark	ed from anyone other the Office.	an th	e applicant; a regi	stered a	ttorney or agent; or the	e assignee or other party in	
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an application of information application. Confident submitting the completed this form and/or suggestions.	ation is required by 37 C iality is governed by 35 I application form to the ons for reducing this but	U.S.C. 122 and U.SPTO. Time den, should be s	37 CFR will vary sent to th	on is required to obtain 1.14. This collection i depending upon the i e Chief Information O	or re s esti ndivi fficer	mated to take 12 r dual case. Any co y U.S. Patent and	ne publ ninutes mment Traden	to complete, including son the amount of times are to Complete, including the control of the complete. U.S. Departs of the control of the con	by the USPTO to process) g gathering, preparing, and ne you require to complete rtment of Commerce, P.O.	

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75	90 09/14/2009		EXAM	INER	
Birch Stewart Ko	lasch & Birch LLP	WILSON, ALLAN R			
PO BOX 747			ART UNIT	PAPER NUMBER	
Falls Church, VA	22040-0747		2815		
			DATE MAILED: 09/14/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 23 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 23 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)
	09/648,111	HWANG, KWANG-JO
Notice of Allowability	Examiner	Art Unit
	ALLAN R. WILSON	2815
The MAILING DATE of this communication appearable All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIPUTED OF THE OFFICE OF UPON PETITION BY THE OFFICE OF UPON PETITION BY THE OFFICE OF UPON PROVIDED THE OFFICE OF	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to and MPEP 1308.	olication. If not included will be mailed in due course. THIS
2. X The allowed claim(s) is/are <u>1-7,11,13-16,20-24 and 28-35</u> .		
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) ☐ including changes required by the Notice of Draftspers		948) attached
1) hereto or 2) to Paper No./Mail Date	•	
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 	sit of BIOLOGICAL MATERIAL n FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. Note the AL MATERIAL.
Attachment(s)	5 No. 202	-t-ut A-ulla-ti
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	• •
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6.	e
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	7. 🔲 Examiner's Amendn	nent/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☐ Examiner's Stateme9. ☐ Other	ent of Reasons for Allowance
/ALLAN R WILSON/		
Primary Examiner, Art Unit 2815		